

MGTSV Layered mining optical cable

Product Model: **MGTSV**

Description

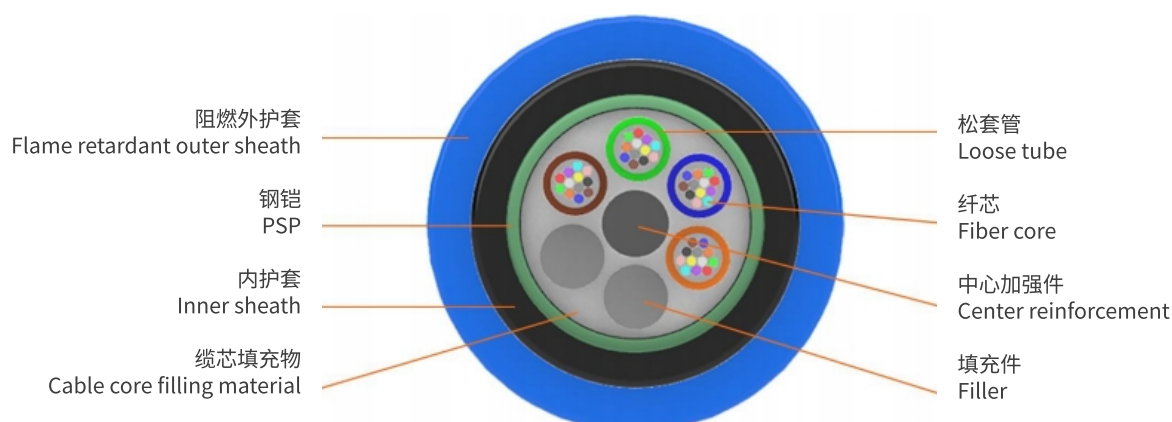
The MGTSV fiber optic cable structure is composed of 250 μm optical fiber inserted into a loose tube made of high modulus material, and the loose tube is filled with waterproof compound. The center of the cable core is a metal reinforced core, and a loose sleeve (and flange rope) is twisted around the center reinforced core to form a compact and circular cable core. The gaps inside the cable core are filled with waterproof fillers. Double sided plastic coated steel strip (PSP) is longitudinally wrapped and then extruded into a polyethylene inner sheath. The outer sheath of the inner sheath is extruded with a layer of polyethylene outer sheath to form the cable.

Characteristics

1. Having good mechanical and temperature performance;
2. The loose tube material itself has good water resistance and high strength;
3. fill the tube with special ointment and apply it to the optical fiber. Critical protection has been implemented;
4. The layer twisting type has good compression resistance and softness;
5. Double sided chrome coated plastic coated steel strip (PSP) improves the moisture resistance of optical cables;
6. Adopting blue flame retardant PVC undergoes secondary sheathing to ensure good flame retardancy of the optical cable

Standards

Applicable: Mine shaft



Technical parameter

光纤数 Fiber Count	光缆直径 Cable Diameter mm	光缆重量 Cable Weight Kg/km	抗拉强度 (N) Tensile strength		抗压强度 (N/100mm) Crush strength		弯曲半径(mm) Bending radius	
			长期 Long term	短期 Short term	长期 Long term	短期 Short term	动态 Dynamic	静态 Static
2-60	10.5±0.2	145±5	1750	3500	500	1500	15D	30D
62-72	11.2±0.2	150±5	1750	3500	500	1500	15D	30D
74-96	13.1±0.2	210±5	1750	3500	500	1500	15D	30D
98-120	15.2±0.2	245±5	1750	3500	500	1500	15D	30D
122-144	16.5±0.2	280±5	1750	3500	500	1500	15D	30D
146-216	16.5±0.2	320±5	1750	3500	500	1500	15D	30D